TARC

TITUSVILLE AMATEUR RADIO CLUB

November, 1992

NEWSLETTER

OFFICERS

President: Bud Hughes K4CWG 269-0779 Secretary: Jerry Richards KC4YDP 459-2073
VicePresident: Cliff Hoag KC4SYD 267-7030 Treasurer: Walt Hart KC4VVG 267-4590

PRESIDENT'S CORNER

By: Bud Hughes K4CWG

O.K. gang - get ready to cast your ballots for your choice of officers and board members to serve the TARC for the upcoming year.

We have approval to install one of our repeaters on the "Hi-rise" building. This new repeater site will enhance communications for the hand helds in the northern area of our community.

Thanks to Pike W4EPU and Clara (Pike's boss) for the preparations being made for TARC's Christmas Party. 73's

EDITOR'S DESK

By: Becky Lee - OM Clyde K4EOS

Since my very first association with HAMS some 40 years ago, I have known them to be extraordinary people - a breed apart in their zest for life, quest of knowledge, and talent. A typical example of this is Dave AC4JX . As most of you know, Dave is pretty much housebound and he spends a lot of time monitoring the various ham bands. He hears a lot of funny and interesting tidbits that tickle his fancy, and he depicts these situations in cartoons. He has graciously agreed to share these with us, and you will be enjoying them in this, and upcoming issues. There is a story behind each and every one. If you aren't familiar with the story, give Dave a call. He'll share it with you.

TARC CHRISTMAS DINNER PARTY

By: Pike W4EPU

Our Christmas party will be held at the Knights of Columbus Hall, located on Kilmarnoch Lane, off SR 405 between Park Ave. and Fox Lake Rd. Watch for the sign on SR 405 near the Eagles Club. The date has been changed to Sunday, December 13, at 6:00 PM. Doors will open at 5:00 PM for refreshments and social hour. Tickets are $7.00 per person. Bring a $5.00 gift if you wish to participate in the gift exchange. Men bring man's gift; women lady's gift. Call 269-4208 if you want tickets. Any XYL who wishes to may bring her dessert specialty. It will be appreciated.

SOME MORE PRETTY GOOD RULES

By Norm AA4FY

1. Observe everything; admire nothing.
2. It's easier to obtain forgiveness than obtain permission.
3. Rarely resist the opportunity to keep your mouth shut.
4. If you want a new idea, read an old book.
5. Never have a philosophy which supports a lack of courage.

GOVERNOR LAUDS RADIO AMATEURS

By Carl Zelich AA4M

ARRL Asst. Director, SE Division

Governor Lawton Chiles has recognized the work of Amateur Radio operators in Florida following Hurricane Andrew in August. Chiles wrote the following to the ARRL:

"On behalf of the state of Florida, I am writing to thank the many amateur radio operators who assisted in the Hurricane Andrew relief effort.

Scores of amateur radio operators rallied to South Florida from across the United States, helping to provide desperately needed communications to local, state, and federal agencies.

They provided moral and physical support to local amateur radio operators, many of whom had suffered severe damage to their homes, yet provided around-the-clock communications at emergency operation centers, food distribution centers, and field medical facilities.

Hundreds more assisted at their home stations around the country, passing health and welfare messages to concerned relatives of south Floridians.

The amateur radio service can be proud of its members, who time and time again serve the country unselfishly. The state of Florida owes them a debt of gratitude and thanks."

EMERGENCY MANAGEMENT BULLETIN

As a result of a meeting at the West Palm Beach Hamfest it is a pleasure to announce that Jim Goldsberry KD4GR has been appointed an Assistant Section Emergency Coordinator for the Southern Florida Section. This new position is created primarily for the purpose of promoting the formation and maintenance of a cadre of quick response or jump teams throughout the Southern Florida Section.

Ed. Note: Following is an article that "fell through the crack". It is printed here for the benefit of new members who have never worked the annual Christmas Parade. This year's parade date is December 5.

CHRISTMAS PARADE NEWS 1991

By Jose KC4VIO

Parades are as American as apple pie. There are many types of parades and each one is special to each of us for one reason or another. But there is one particular parade that we all look forward to, and that is the "Christmas Parade".

To the members of TARC, the Titusville Christmas Parade offers one more opportunity to make meaningful use of learned skills and at the same time provide a service to the community.

Year after year we have assisted the Jaycees in conducting this event and this year was no exception. Twenty two HAMS, under the skillful direction of Les K4SJC and Bud K4CWG, started to arrive at the assembly location about 3:00pm. Each Ham was assigned an area of responsibility for insuring the proper placement of all floats and marching units. Clipboards and handie-talkies on hand, everyone kept busy until the last unit left the assembly area some five hours later.

There were a few hectic moments and at times coordination was difficult, but in true professional fashion everyone kept cool and the mission was accomplished without any casualties.

We had a great time and we are looking forward to repeating the act again next year. Would you like to join us then?

TREASURER'S REPORT BY WALT KC4VVG

	Checking
Beginning Balance	952.92
Income: (/dues, 50/50,coffee fund, Melbourne hamfest	278.75
Savings Acct. Transfer	667.93
Balance before expenses	1899.60
Expenses:Newsletter, telephone, Repeater Exp.	307.87
Bud loan payment	700.00
Balance as at 10/21/92	886.73
Bud Hughes Beg. Loan Bal.	1321.00
Payment 11/2/92	700.00
Balance due	621.00
Equipment for 146.97	+271.00
Balance as of 11/10/92	$892.00

FRIENDSHIP NET QRN (AND OTHER GOOD THINGS)
From Cliff KC4SYD

And the beat (not) goes on:
Check-ins: 9/17 - 22; 9/24 - 46; 10/1 - 48; 10/8 - 48'; 10/15 - 39; 10/22 - 36; 10/29 - 55. Statistics on the 10/8 investigation of TARC bloodtypes revealed you are all very, very normal. i.e. Type A 41%; Type O 44%; Type B 10%; Type AB 1%; No idea 4%. Statistics in the 10/15 investigation revealed Pennsylvania leading, seconded by Ohio, and Alabama cast one vote! For all those who missed the 10/8 and 10/15 Friendship nets and wonder what this is all about - eat your hearts out!

Reviewing the amount of participation from the data herewith submitted, it occurs to Net Central that less time should be devoted to chicanery and more time utilized in checking folks in. It is duly noted! It won't change a thing! I can forego the pie for 20 more check-ins each week.

Recently I spun the dial to Mosquito frequency on 10. Lo and behold, G0LRS Gordon answered my call. Gordon and his XYL Jane were our guests at Morrison's last week (10/22) while on their holiday.

Gordon wanted to convey their thanks for the club's hospitality. They thoroughly enjoyed their visit and eyeball QSO with the TARCers.

I had sent Gordon a QSL card confirming his eheck-in on the friendship net. It arrived 10/29, and they were pleased to receive it. Gordon and Jane live in Epsom, Surrey, and he is a news photographer for the British press. We really enjoyed their visit and they were pleased to meet members of the friendliest radio club west of Greenwich. Cheers!

HIGHLIGHTS OF 10/16/92 EXECUTIVE COMMITTEE MEETING

Ownership and use of the 146.97 repeater was discussed, but many questions left unanswered, as Larry WB4LOE was absent. Fred K4DII left the control of the frequency to Larry. TARC's letter to the Housing Authority, Office of Emergency Management, concerning moving equipment to the high rise was requested withdrawn by WB4LOE. Larry Carr WB9MFJ agreed to write a Memorandum of Understanding for TARC to install one rack of VHF equipment to be installed on site and used for emergency and community service.
Breakdown of funds owed to Bud K4CWG is as follows: $1321 Previous balance, + $146 Voice Module, + $100 UHF Master II, +$25 Power Supply = $1592. Another $330 spent for shipping and UHF-VHF crystals will be compensated for by payment of four year memberships for Carl and Bud.
Other motions and announcements were: 1) to close the club savings account. 2) Pike Abell W4EPU will chair the Christmas party. 3) TARC will lease packet equipment from WB9MFJ for a club sponsored station. WB9MFJ will be the control operator.

UPCOMING HAM FESTS

12/5/92	Okeechobee. Talk in on 147.195
1/23/93	Crystal River. Talk in on 146.955
1/24/93	Pinellas Park. Talk in on 147.060
2/6&7/93	Miami. Talk in on 146.925
2/13/93	Pensacola. Talk in on 146.760
2/19&20	Sarasota. Talk in on 146.910
2/20/93	Stuart. Talk in on 147.060
2/27/93	Brooksville. Talk in on 146.715
3/12&14	Orlando. Talk in on 146.760
3/20&21	Ft. Walton Beach. Talk in 146.790

Did you hear about the minister who hired a new bell ringer who did not ring bells with the group, but preferred to slap the bell with his face, producing the most pleasing and melodius sounds? At the next Sunday service the minister was making his point about heaven and looked up from his pulpit into the belfrey as the cue to the new bell ringer. who struck his head at the bell and missed, toppling down onto the floor in front of the congregation. A member asked "who is he?" Another answered "I don't know, but his face rings a bell."

BOB W2NCF

WE WISH YOU A

SPEEDY RECOVERY

HIGHLIGHTS OF 10/30/92 EXECUTIVE COMMITTEE MEETING

The proposed radio equipment lease agreement between the TARC and Larry Skidmore WB4LOE was discussed and rejected because it placed restrictions on who could or could not be a control operator for the repeater, and because the lease was not in the best interests of the club. All equipment belonging to the club will be retrieved. Larry WB4SIG will draw up a list to identify such equipment. The treasurer was directed to make a check to Bud K4CWG for the amount derived from the closing of the savings account. All TARC technical committee members may now be control operators of TARC repeaters or club stations.

HIGHLIGHTS OF 11/6/92 EXECUTIVE COMMITTEE MEETING

Motions made and approved: 1) to accept WB4LOE's offer of $287 for the 146.97 machine which included 5 cavities, 1 Master Pro XMTR/RCVR and misc. hardware. (K4SJC donated one cavity to TARC. WB4SIG donated the 97 controller to tarc.) 2) to trade the 7' rack to Larry WB4LOC for 2 ea. GE Master II VHF Mobile units. 3) to purchase from ACC an RC 96 Repeater Controller for the 444.15 machine. 4) for KC4UFI call letters to be assigned to the 146.97 machine and that Jerry Russell be named as repeater custodian/trustee.

TARC MEETING 9/24/92

Two new members were accepted into the club.

The Executive Nominating Committe appointees are: Pike W4EPU; Ken KD4HNW; Dick KD4HOP; and Gene KC4TE.

Jane Claus with Rotanium Products Company gave a presentation on some new products which are being introduced into various systems at KSC. A new type of terminal lug called the Visa-Crimp which proved to be far superior to the standard ring lug terminals currently used; a new heat shrinkable tubing referred to as Flowform which shrinks down to about 30% of its original size; Fusion Wrap, a self-sealing high dielectric insulating wrap which requires no adhestive to apply and fuses to itself to form a one piece unit.

Ric Kennard WS4K from the Brevard County Sherriff's Dept. and George Bortle KD4CBV from the Fire Department gave an outstanding presentation on the new 800 MHZ system.

Pike W4EPU has been appointed to chair the Christmas party.

75 members were in attendance.

"333 " MOSQUITO NET

By Carole Ann KC4VIN & Jose KC4VIO

The Mosquito Net meets every Wed. evening on 28.333 MHZ at 19:30 local time. Add 5 hrs. for VTC (4 when daylight savings time is in effect).

My thanks to Les K4BZJ for taking over Net control during my exciting and exhausting summer away.

25 stinger numbers have been assigned since our last report, giving us 427 mosquitos buzzing around the world. We still need Alaska, Hawaii, and South Carolina to give us mosquitoes in every state. Encourage your ham friends in those states to check in so that we may accomplish this goal.

When you check into the net, tell us what has been happening with you, and also list your own ham related items for sale, as well as your needs.

Gordon Allis G0LRS recently visited the Space Coast and the Titusville Club. His interest in the Mosquito Net resulted in setting up a special schedule so that upon his return to England he could contact the Net and become a Mosquito. In spite of the QRM the contact was successful and he was issued Stinger #419. We hope to hear him on 28.333 as the band permits. Welcome aboard, Old Chap!

Some net members have suggested that maybe it's time to start trading Stinger #s during our contacts. We have heard that some have been listed in paper chasers lists in other nets. Is that wild or what? If it feels good, do it!

*** * * *TRIVIA* * * ***

Nothing in the world can take the place of persistence. Talent will not; nothing is more common than unsuccessful men with talent. Genius will not; unrewarded genius is a proverb. Education alone will not; the world is full of educated derelicts. Persistence and determination alone are omnipotent.

NOTICE TO ALL VISITORS

WHAT YOU ARE ABOUT TO WITNESS IS AN AMATEUR RADIO STATION LICENSED AS _____ BY THE FEDERAL COMMUNICATIONS COMMISSION IN WASHINGTON, DC. BEFORE YOU ASK THE QUESTIONS, HERE ARE THE ANSWERS:

1) The total cost of this equipment cannot be discussed here as it creates marital conflicts.
2) No, we cannot send a message to your brother in Hong Kong. Call Western Union.
3) This is strictly a hobby; we do not have the facilities or the time to fool around with TV sets, radios or hi-fi. We suggest that you see a serviceman.
4) Yes, the antenna in the backyard is essential to the operation of the equipment.
5) The farthest station we have contacted has been in the Ubangiland.
6) The cards on the wall are called QSL cards. They are confirmation of contacts made with other stations.
7) It is technically impossible for this station's equipment to interfere with television reception, telephones or stereo systems. Any interference problems are caused by design flaws in the home-entertainment devices themselves.
8) An Amateur Radio station may only be operated by a highly qualified, technically skilled electronics expert. It takes dedication, training, and intelligence to reach the level of competence that justifies one to be licensed by the United States Federal Government. Therefore, it is not considered inappropriate to show proper awe, respect, and general obsequiousness when I discuss my hobby or operate the controls.

FURTHERMORE....IF YOU ARE GRANTED THE EXTREME HONOR OF BEING INVITED TO SPEAK INTO THE MICROPHONE, PLEASE OBSERVE THE FOLLOWING RULES:

1) Speak in a low and soothing tone.
2) Do not disagree with me in any manner.
3) Say no bad words and tell no off-color jokes.
4) It is customary for guests to make complimentary remarks about this station and its licensed operator when talking to other hams on the air.

DO NOT TOUCH ANYTHING, TURN ANY KNOBS, SIT ON EQUIPMENT, ETC. I HAVE LOST SEVERAL VISITORS BY ELECTROCUTION IN THE PAST FEW WEEKS.

THANK YOU FOR YOUR COOPERATION

IF YOU CAN'T BEAT'EM JOIN'EM

By Mitch Matheny AC4WN

In my opinion radio antennas are a sign of progress and actually can be very good looking depending on the eye of the beholder, but to some they are less desirable and actually take away from the beauty of the structure they may be around.

Such is the case at my station where I am blessed to be next to the water at HARBOR TOWNE MARINA, located in a "Florida cracker" style building with a fantastic green metal roof.

I had plans for a vertical antenna but worried about impacting the old time Florida look, and after talking with the owners decided to take a different course of action. We also talked about a loop antenna around the perimeter of the building but Wes Whitley AF4N, the technical aspect of our project, advised that the metal roof would act as a capacitive hat and actually absorb the transmitted RF. After scratching my head for several months, referring to the ARRL antena handbook and driving Wes crazy with let's say, subintelligent questions, I looked up at the roof and told myself, heyl the roof kind'a looks like a giant disccone antenna.

I asked Wes about loading up a metal roof and he said that it has been done before on a hit and miss basis and the only way we could find out is to try. The next step we took was to go up onto the roof area and check the bonding of the aluminum roof panels with the possibility of connecting the ground and conducting wires. We also looked for a good area to locate the antenna tuner in order that it may be between the upper radiating roof and the lower grounded roof.

While Wes was attending the local hamfest I ran approximately 100' of mini RG8 from the tuner in the roof to my office located downstairs. After the hamfest I told Wes that the coax was run. He immediately collected his equipment including a loaner radio and power supply and came down to the marina to tackle my questionable idea. We connected the ground to the lower roof which is 65' square, has a 5 to 1 slope, and is 25' off the ground. The conductor was connected to the upper "light house" roof which is 12' above the grounded roof and is 10' in diameter configured in an octagonal shape.

While I ran the rig Wes tuned the antenna and let me know what was happening on 2 meter simplex. The SWR indicated 1:1 and a power output of 80 watts at the roof. We decided to dedicate the antenna to the 40 meter band in order that we could use the Water Radio and Cruising Club net and keep in touch with the maritime stations that we both know. After several contacts we found that the antenna did quite well and received several encouraging reports from distant stations, one being an S-7 signal from YN9BJ in Managua, Nicaragua!

Our next step is to install a remote or automatic antenna tuner so that we can use the roof as a multi-band antenna. We are also wide open to suggestions as to the radiation pattern we may be producing although we are reasonably sure it is semi-horizontal.

So next time you see a metal roof and determine it is a hinderance to your antenna due to the near field effect, think about loading it up and see what happens. You may be surprised!

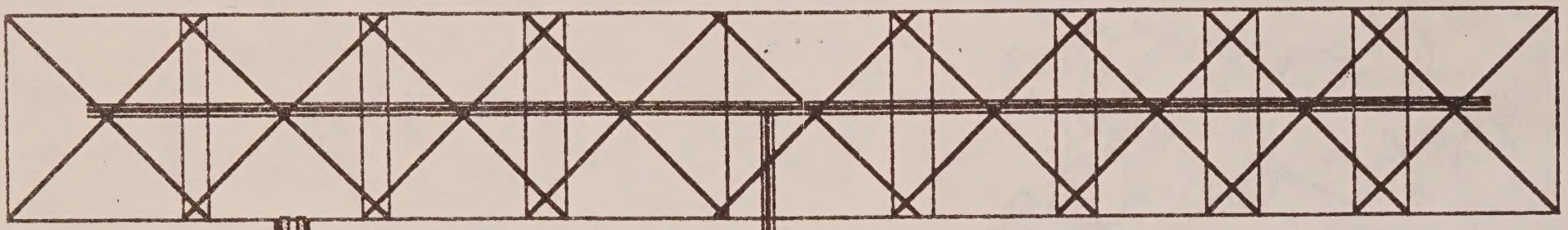
9-Element Quad Antenna 22+dB Gain

By: Tom Nguyen
KD4TLT

Reflector	Driven Element (1 wavelength)	Director 1	Directors 2-7
R=1046.8/146	DE=985.5/146	D1=937.3/146	D2..D7=D1-0.5"
86.04" (1.06DE)	81.0" (1.0DE)	77.04" (0.95DE)	

3/8" wood dowels
2" x 2" pine wood boom
U-bolt clamp to wood mast

12-16AWG wires



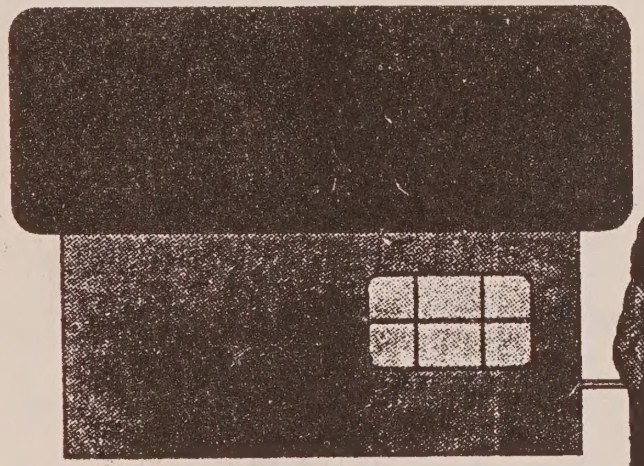
RG-58/8 cable / PL-259 connector 1 end

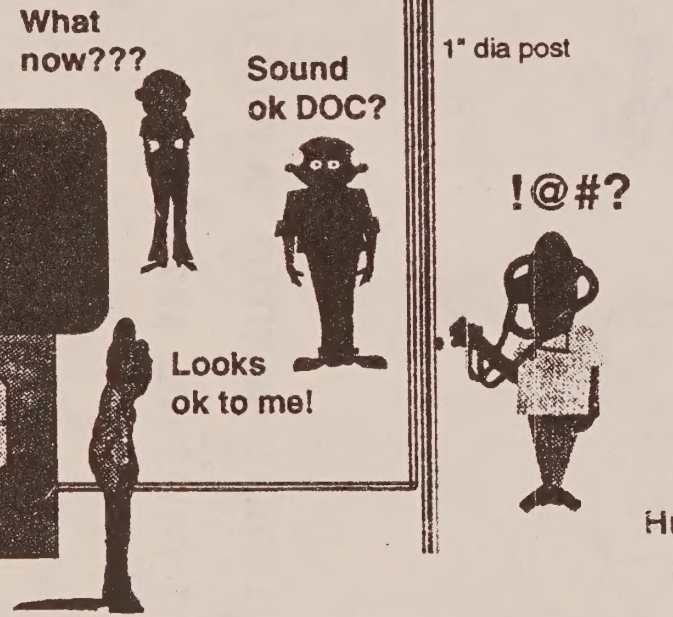
Spacing
Boom=96"

End 1" | 0.145DE 12" | 0.145DE 12" | 0.145DE 12" | 0.145DE 12" | 0.145DE 12" | 0.145DE 12" | 0.145DE 11" | 0.145DE 11" | End 1"

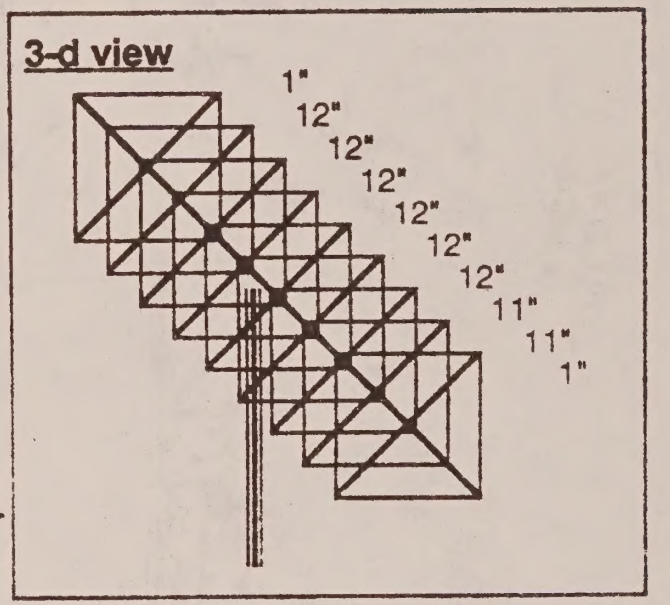
1" dia post

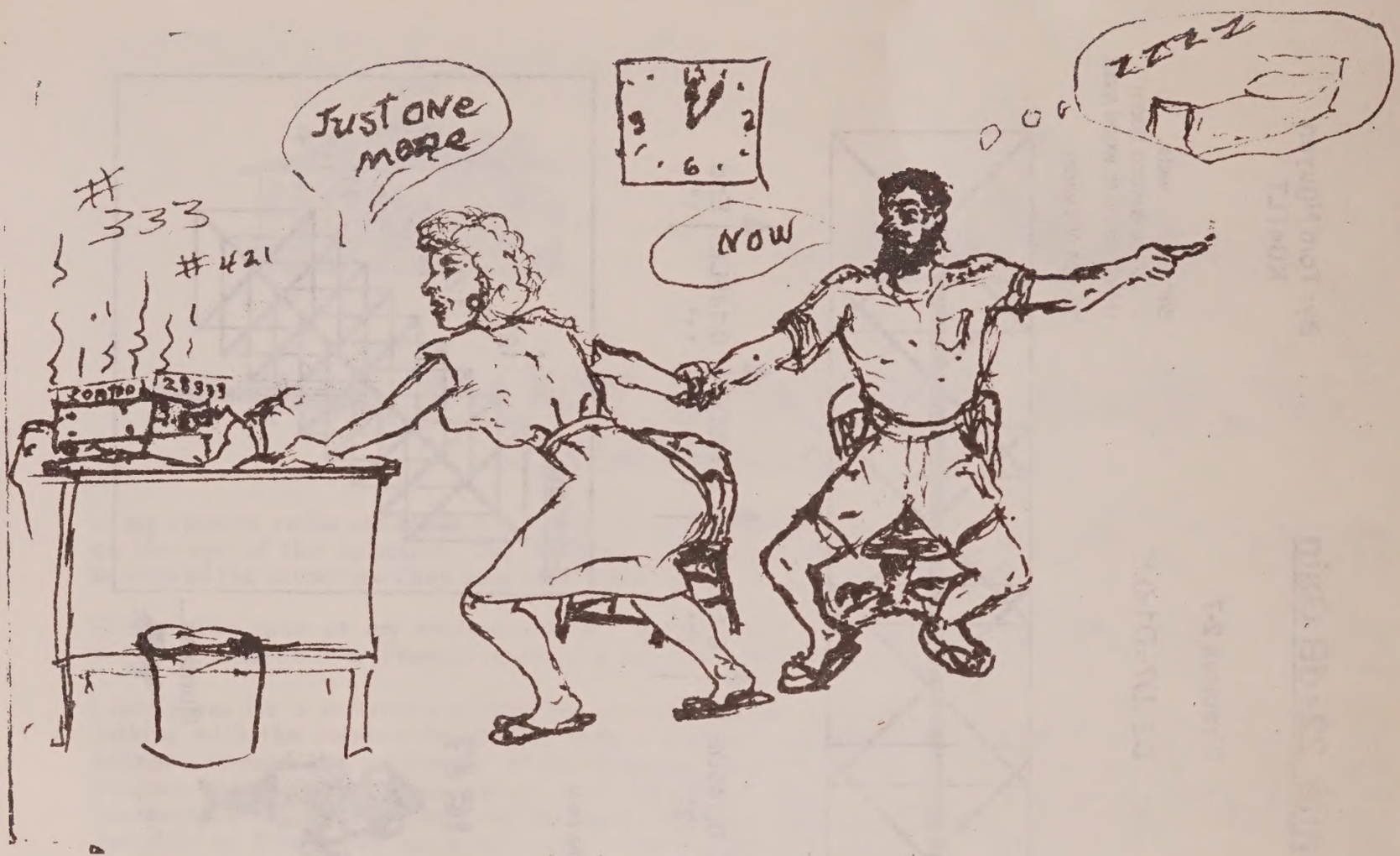
Ham Shack



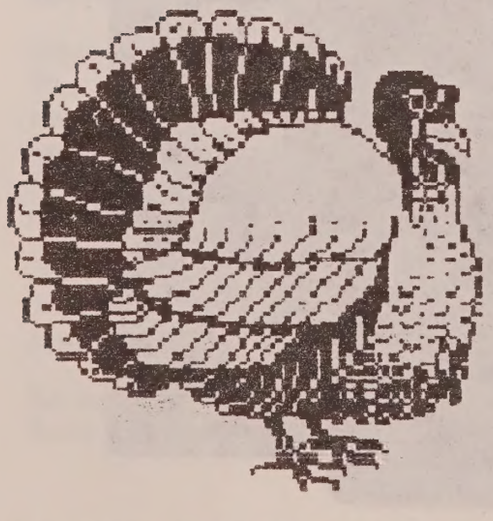


3-d view





TITUSVILLE AMATEUR RADIO CLUB
P.O.BOX 73
TITUSVILLE FL 32781



HAPPY THANKSGIVING!!